

## Practice

Student Edition

Pages 274-280

## Factoring

Factor completely.

1.  $15a^2b - 10ab^2$

2.  $2x^2y - x^2y + 5xy^2 + xy^3$

3.  $16r^2 - 169$

4.  $c^2 - 49$

5.  $2y^2 - 242$

6.  $x^3 + 8$

7.  $8m^3 - 1$

8.  $b^4 - 81$

9.  $x^2 - 3x - 10$

10.  $r^3 + 3r^2 - 54r$

11.  $4a^2 + a - 3$

12.  $2t^3 + 32t^2 + 128t$

13.  $y^2 + 20y + 96$

14.  $6n^2 - 11n - 2$

15.  $x^2 - 8x + 16$

16.  $21 - 7t + 3r - rt$

17.  $x^2 + 2x - xy - 2y$

18.  $x^2 + 2xy + 2x + y^2 + 2y - 8$

19.  $4x^3 - 4x^2$

20.  $k^3 - 2k^2r - 3kr^2$

21.  $45x^2 - 80y^2$

22.  $36a^3b^2 + 66a^2b^3 - 210ab^4$

23.  $4a^2 + 12ab + 9b^2 - 25c^2$

24.  $81x^4 - 16$

25.  $5y^5 + 135y^2$

26.  $18p^3 - 51p^2 - 135p$